

Datasheet for ABIN7544831

TXNRD3 Protein (AA 1-643) (His tag)



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Overview

Quantity:	1 mg
Target:	TXNRD3
Protein Characteristics:	AA 1-643
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TXNRD3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TXNRD3 Protein expressed in mammalian cells.
Sequence:	<p>MERSPPQSPG PGKAGDAPNR RSGHVRGARV LSPPGRRARL SSPGPSRSSE AREELRRHLV GLIERSRVVI FSKSYCPHST RVKELFSSLG VECNVLELDQ VDDGARVQEV LSEITNQKTV PNIFVNKVHV GGCDQTFQAY QSGLLQKLLQ EDLAYDYDLI IIGGGSGGLS CAKEAAILGK KVMVLDFVVP SPQGTSWGLG GTCVNVGCIP KKLHQAALL GQALCDSRKF GWEYNQQVRH NWETMTKAIQ NHISSLNWGY RLSLREKAVA YVNSYGEFVE HHKIKATNKK GQETYYTAAQ FVIATGERPR YLGIQGDKEY CITSDDLFSL PYCPGKTLV GASYVALECA GFLAGFGLDV TVMVRSILLR GFDQEMAIEKV GSYMEQHGVK FLRKFIPVMV QQLEKGSPGK LKVLAKSTEG TETIEGVYNT VLLAIGRDSC TRKIGLEKIG VKINEKSGKI PVNDVEQTNV PYVYAVGDIL EDKPELTPVA IQSGKLLAQR LFGASLEKCD YINVPTTVFT PLEYGCCGLS EEKAIEVYKK ENLEIYHTLF WPLEWTVAGR ENNTCYAKII CNKFDHDRV I GFHILGPNAG EVTQGFAAAM KCGLTKQLLD DTIGIHPTCG EVFTTLEITK SSGLDITQKG CUG Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different</p>

complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	TXNRD3
Alternative Name:	TXNRD3 (TXNRD3 Products)
Background:	<p>Thioredoxin reductase 3 (EC 1.8.1.9) (Thioredoxin and glutathione reductase) (Thioredoxin reductase TR2),FUNCTION: Displays thioredoxin reductase, glutaredoxin and glutathione reductase activities. Catalyzes disulfide bond isomerization. Promotes disulfide bond formation between GPX4 and various sperm proteins and may play a role in sperm maturation by promoting formation of sperm structural components (By similarity).</p> <p>{ECO:0000250 UniProtKB:Q99MD6}.</p>
Molecular Weight:	70.7 kDa
UniProt:	Q86VQ6

Target Details

Pathways: [Cell RedoxHomeostasis](#)

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months